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Category No. 28

8. Buffer System and Damper

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Multiple Buffer

[Brief Description of the Drawing]

The drawing is a cross sectional view showing a buffer according to the present invention.

[Summary of the Nature, Mechanism and Effect of the Utility Mode]

In the drawing, (1) and (3) represent buffer cylinders, (2) and (4) represent one-way valves, (5) and (6) represent pistons, (7) and (8) represent piston lots and (9) represents a piston return spring.

Multiple buffers of the present invention, wherein

a plurality of buffer cylinders are stacked in tandem,

the piston lot (8) of the cylinder (3) located beneath penetrates through the bottom of the cylinder (1) located above,

and its edge is opposed to the piston (5) so that

when an impact is imposed on the piston lot (7), the pistons (5)(6) in each of the cylinders are compressed simultaneously, and the impact is distributed and absorbed by each cylinder (5),

is effective if applied when a piston stroke is extremely short while a large buffer effect is

required and a space to mount it is narrow, and by increasing the number of buffer cylinders to be stacked in tandem, a stroke required to buffer the same amount of impact can be reduced.

When a large multiple buffers are installed in oil, they can be used as multiple buffers in oil.

[A scope of the Claim]

As explained in the drawing, a structure of multiple buffers, wherein a plurality of buffer cylinders comprising a piston cylinder equipped with a one-way valve at its bottom and a piston that is fit in said cylinder are stacked in tandem and their pistons are made capable of moving simultaneously.

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園面ノ略解 関ハ本案ノ級衝器ヲ示ス機斷面闘ナリ

質用新零ノ性質、作用及效果ノ要領 衝流ノ敷ヲ増加スル事ニヨリ同一程度ノ緩衝ヲ行フニ必要トスル衝程ハ減縮セラル 器ハ卵子ノ衝程機メラ短ク而モ大ナル経衝作用ヲ必要トシ取附場所狹き場合ニ適用シテ有效ナルモノニシラ直列ニ積重キラレタル緩 案ハ級衝流ノ複数個ヲ近列ニ私重ネ下位ニ位置スル定益ノ聊子桿虫ヲシヲ上位ニ位置モル変しノ底ヲ関題セシメ其ノ先端ヲ聊子宜ニ 對向セシメクル故ニ ఇ子桿了ニ衝撃ヲ加フル時ハ各壺内ソ 帽子(c)fe)ハ 同時ニ 腰縮作用ヲ行と衝撃ヲ各党ニ分布吸收セシム本多重緩衝 過二於テ丁及3八級獨立立及子八逆止分了及了八剛子丁及B八即子但可八明子及以機能ナリ本考

火多重緩衝器ヲ油中ニ設役スルトキハ油入多重緩衝器トシヲ使用シ得ヘシ

等ノ帽子ヲ同時ニ運動スヘクナシタル多重緩衝器ノ構造

個示説明セル如ク底部ニー方穿ヲ備フル喞子筒ト該筒内ニ嵌合セル喞子トヨリナル緩衝毫ノ複數個ヲ佐列ニ積重ネ失

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